Memo:

TO: Haysville Board of Education

FR: B.J. Knudson, Executive Director of Operations

DA: November 16, 2015

RE: Practice Field Bids

We are asking for a resolution authorizing Haysville USD 261 to enter into contract with Turf Solutions Inc., for the two practice fields and playground for HWMS/Prairie. These fields will be used for practice for football, junior football, and soccer. These fields will also be used throughout the day for PE classes by both HWMS and Prairie. The playground will also give the students at Prairie a suitable grass field for them to be able to play on during recess. The cost of the project ($451,522) will be paid out of Capital Outlay Funds.

Bid Results:

	Entire Project	One Practice Field & Playground	One Practice Field
Turf Solutions --$451-522		$385,155	$352,451

ATG Sports—Didn't bid because they only put in turf fields.

SSI Sprinklers—Didn't feel he could meet all the requirements.

Cranmer Grass—They do not carry the type of Bermuda Grass specified.

Turf Plus—Stated they never received bid information

Turf Design—Waiting to hear back from.

Seeders—Waiting to hear back from.

Bid for

USD 261
HAYSVILLE
SCHOOLS

Athletic Fields and Playground for
Prairie Elementary and Haysville West Middle Schools

Presented on

November 9, 2015

by

TURF
SOLUTIONS

Turf Solutions Inc.
967 Comanche Road
McPherson, Kansas 67460
Brett Wiens, President
620.585.0170

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Contractor Experience Qualifications and Reference List for Haysville USD 261

The following list of past projects complete the contractor qualifications required by USD 261 to bid on this project.

Grading

Minimum of three sports fields laser graded

McPherson College, 2 new fields totaling approximately 4 acres in 2012
Marty Sigwing, Director of Facilities
620-242-0470

City of Halstead, new baseball field totaling approximately 3 acres in 2015
Grant Williams, Parks and Recreation Director
316-217-4823

Buhler USD 313, new soccer field in 2007
Mike Berblinger, Superintendent
620-543-2258

Variable Frequency Drives

Minimum of one VFD installed for control of a submersible pump and motor

Sterling College, VFD running 10hp submersible pump and motor
Chuck Lambert, Football Defensive Coordinator and in charge of field maintenance
620-204-8308

Andover USD 385, VFD running 7.5 hp submersible slave pump and motor
Bruce Sanderson, Director of Operations (at the time of install) 316-350-5509
David Jackson, Director of Operations (current) 316-218-4604

Sub-Surface Drip Irrigation

Minimum of three sports fields successfully installed of at least two acres

McPherson College, 2 fields of 2 acres each of drip in bermuda football and soccer fields in 2012
Marty Sigwing, Director of Facilities
620-242-0470

Buhler USD 313, 1 field of 2 acres of drip irrigation in bermuda grass soccer field in 2007
Mike Berblinger, Superintendent
620-543-2258

continued next page

continued

Beloit USD 273, 1 field of 2.5 acres of drip in fescue football field in 2014
Rodney Palen, Director of Grounds and Maintenance
785-738-8559

Sprigging

Minimum of three sports fields sprigged with bermuda grass

Andover USD 385, Sprigged all or parts of 7 sports fields
Bruce Sanderson, Director of Operations (at the time of sprigging), 316-350-5509
David Jackson, Director of Operations (current), 316-218-4604

Sterling College Football Practice Field
Chuck Lambert, Football Defensive Coordinator and in charge of field maintenance, 620-204-8308
Gary Kempf, Athletic Director, 620-204-1390

Sterling College Soccer Practice Field
Justin Morris, Head Coach, 620-921-5029
Gary Kempf, Athletic Director, 620-204-1390

Turn-Key Athletic Fields

Minimum of three turn-key sports fields including grading, irrigation, and seeding, sodding, or sprigging

McPherson College, 2 new fields totaling approximately 4 acres in 2012
Marty Sigwing, Director of Facilities
620-242-0470

City of Halstead, new baseball field totaling approximately 3 acres in 2015
Grant Williams, Parks and Recreation Director
316-217-4823

Buhler USD 313, new soccer field totaling aproximately 2 acres in 2007
Mike Berblinger, Superintendent
620-543-2258

Beloit USD 273, 1 field of 2.5 acres of drip in fescue football field in 2014
Rodney Palen, Director of Grounds and Maintenance
785-738-8559

Past Experience with Haysville USD 261

Turf Solutions has worked with Haysville USD 261 for the past several years renovating and maintaining the football field at Haysville West Middle School. Thank you for the opportunity to work with you again on this project!

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Grading Proposal for Prairie/West Sports Fields and Playground

All existing vegetation within scope of work will be sprayed with Cornerstone+ herbicide at 64 oz per acre and Strike 3 herbicide at 32 oz/acre. Dead vegetation will be mowed to a height of 3-4" prior to grading. Six inches of existing top soil will be stripped and stockpiled. A sub-grade will then be established 6" below final grade according to drawings. The top soil will then be replaced on sub-grade to establish the final grade to specified elevations. All fill will be installed in lifts of no more than 6" and wheel packed. After final grade is established, a chisel will be used to a depth of 6" over the entire irrigated area. After the tillage, final grade will be reestablished with a laser controlled speed mover to a tolerance of +/- .02' of elevations on drawings. Total weight of tractor and speed mover combined will be approximately 7,500 pounds. All trash, rock, or other debris will be hauled off site. There will be no chunks of soil; surface will be ready for sprigging or seeding, depending on area. Any excavated soil not used for the project will be stockpiled in the NW corner of the property to be used for future projects. Stockpile will be graded to allow for seeding and mowing. Grade will be corrected as needed prior to sprigging from deviations caused by heavy rainfall, wind, or other acts of God. Erosion control shall be installed and maintained according to the Erosion Control Plan including ditch checks every 200', silt fence on the downstream side of the soil stockpile, and seeding of the ditches and soil stockpile. Turf Solutions will need copies of the Notice of Intent to Discharge Stormwater paperwork filed by USD 261 with the State of Kansas.

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Well and Pump Proposal for Prairie/West Sports Fields and Playground

A new irrigation well will be added approximately 280' north of the existing Haysville West Middle School football field well, pending the successful acceptance of the Change of Place of Use Application already being submitted by Turf Solutions to the State of Kansas on behalf of USD 261. The new well will make a battery, according to the Kansas Department of Agriculture, Division of Water Resources definitions, with the existing well. This well will be rated at 5HP and 50 GPM output using 480VAC, three phase power. The total output of the battery will not exceed 120 GPM during normal irrigation. The existing well will be the "Master" well, and the new well will be the "Slave" well. The motor and pump in the Master well will be actuated whenever the current or proposed irrigation systems request water. The motor in the Slave well will be controlled by a variable frequency drive (VFD) and will run as needed to maintain 70 psi. All electrical supply to the Slave motor will come from Haysville West Middle School and be in accordance with current the NEC. Drop pipe will be 2" Certa-Lok pipe, couplers, and fittings. A ¾" FPT port with a ¾" MPT plug will be provided in the system for winter blow-out. The port shall be located in such a manner that air will not pass through the water meter(s) during blow out. A jacketed, galvanized cable will be installed on the new pump and motor to allow for extraction of the pump and motor if the drop pipe should fail. Two Netafim 2" WMR meters, one at each well, will be installed in accordance with Kansas Dept. of Agriculture, Division of Water Resources, regulations to meter all water discharged by both wells. Pricing given requires that USD 261 staff locate the spare conduit coming from Haysville West Middle School and that the open end of the conduit is west of the road west of the school building.

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Sub-Surface Drip Irrigation Proposal for Prairie/West Sports Fields and Playground

Controller:

Controller will be an outdoor, Hunter I-Core capable of running all existing conventional zones and a minimum of 20 new zones controlled with a 2 wire path. The controller will trigger the well/pump battery and fertilizer injection unit. The I-Core controller will replace the current controller on-site. Flow monitoring will be utilized on all new zones to automatically detect and bypass problematic zones or mainline.

Filter station:

The filter station will consist of five, 2" Netafim Techfilters inside the fertilizer injection building. A pressure gauge will be located both before and after the filter bank. All exposed pipe and fittings will be Schedule 40 and pressure rated.

Mainline:

The mainline will be 3" CL200 pipe and Schedule 40 fittings. All trenches will have a flat, clean bottom, free from loose soil. Any control wiring used will be in the same trench as the mainline. Minimum depth to top of pipe will be 24". Any over-excavation will be backfilled with fill sand. All backfill will be mechanically compacted to 95%.

Valves and boxes:

Valves will be Hunter PGV-151-ASADJ angle valves.
2 wire connections will be waterproof.
All decoder modules will be single station (one module per valve).
All valve boxes will be bedded in fill sand or pea gravel, be level, and at an elevation of ½" above final grade.
A minimum clearance of 1" will be maintained between the highest point on the valve and the bottom of each valve box lid.
Each 12" x 18" Ametek valve box will contain two PGV-151-ASADJ valves.

Dripline and Manifolds

Dripline will be Netafim Techline CV, .4 GPH, 12" emitter spacing.
Dripline will be installed with a Vermeer MB40 and Vermeer RT450, specifically designed for installing sub-surface dripline.
The dripline will be buried to a consistent depth to top of dripline of 6", +/- ½".
Dripline will be spaced on 18" centers, +/- 1".
Header manifolds will be 2" CL200 PVC and flush manifolds will be 1" CL200 PVC.
Schrader valves will be installed on all supply headers and flushing assemblies to check zone pressure.
Final grade will be re-established after dripline installation.
All dripline will be kept free from dirt and other debris entering the pipe at all times before and during construction.

continued next page

continued

Fertilizer injection system consisting of:

- At least 500 gallon liquid fertilizer tank
- ¾" Netafim disc filter for fertilizer leaving the tank
- 115V, piston injection pump capable of delivering 1/7 lb of actual N per day per 1000 sq/ft.
- Fertilizer injection plumbing and backflow prevention
- 500 gallons of pure 28% liquid nitrogen (NO phosphate)
- 10' x 10' building with a concrete floor and 6" stem wall to house tank and filter station
- Footings shall be 30" deep and 8" wide and extend 6" above finished floor
- Floor will be level, 5" thick, have a 2" sand base, and ½" rebar on 18" centers with control joints
- Expansion joints will be used where necessary
- One 8' x 7'overhead, lockable door
- Building vents
- Roofing will be white steel
- Siding material will be pre-finished fiber cement
- Concrete pad outside door, sloped away from building
- Pad length and width shall equal building outside dimension
- Pad shall be 5" thick, have a 2" sand base, and ½" rebar on 18" centers with control joints as necessary
- Shortest sidewall height is 8'
- (2) GFCI, 115V outlets
- (1) Overhead light and switch at door

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Bermuda Sprigging Proposal for Prairie/West Sports Fields and Playground

The type of Bermuda grass used will be either Latitude 36 or Northbridge, depending on availability. Certification documents will be provided upon request to Haysville USD 261 for all sod used. Sod will be sprigged within 48 hours of harvest and be hauled on tarped or refrigerated trucks if the sod will be transported more than 100 miles. No sod or other material shall come from Easton Sod.

Sprigging will occur between May 16 and June 18, depending on weather. If timing will fall outside these dates due to rain or other weather concerns, Haysville USD 261 staff will be notified as soon as possible. Sprigging will not occur before the bermuda grass to be harvested is 100% green and would make high quality sod. Fields will be ready for use by August 15, 2016.

The surface will be kept free from vegetation throughout the spring with appropriate herbicides. The grade established during the grading process will not be disturbed. Surface preparation will be done with a soil pulverizer to be sure the established grade is not disturbed.

A Sprigmaster II sod to sprigs machine will be used to convert big rolls of sod into sprigs and plant the sprigs. The tractor used to power and pull the Sprigmaster II will be equipped with golf course style turf tires. No equipment used to load or transport sod will be on the irrigated playing surface other than the tractor and Sprigmaster II during sprigging. Any equipment on the playing surface will be designed for use on turf and be equipped with low ground pressure, turf-type tires.

A rate of 6:1 will be used for sprigging. The total amount of sod to be converted to sprigs and planted will not be less than 4,334 square yards.

One application of 13-13-13 fertilizer will be made immediately prior to sprigging at a rate of 335# per acre. Top dressing with mason's sand will occur directly after sprigging, before watering begins, at an approximate rate of 20 tons per acre. One application of Ronstar Flo herbicide will be made to the entire sprigged area following recommendations on the chemical label after top dressing. Irrigation will occur within 24 hours of the start of the sprigging process and continue until the surface is 100% moist. Turf Solutions will manage the irrigation for two days after the after sprigging, top dressing, and Ronstar Flo application is complete, maintaining a constantly moist soil surface. USD 261 staff will assume responsibility for the irrigation at that point unless the third day falls on a Saturday or Sunday. In the event that day three falls on a Saturday or Sunday, Turf Solutions will continue irrigation management until the Monday following the third day.

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Fencing Proposal for Prairie/West Sports Fields and Playground

The fencing on the north side of the project will remain unchanged and will not be damaged during construction. The chain link fence fabric near the west boundary of the scope of work, totaling approximately 530', will be removed prior to construction and reinstalled after construction is complete. Existing line posts will be removed and hauled away. 52 new line posts will be installed and set in concrete. Existing chain link fabric will be re-stretched and tied onto new posts with new ties. Top rail and post tops will be reused. One gate 10 feet wide will be added directly east of the fertilizer injection building. The gate will have a latch with provisions for a padlock.

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Goal Post Proposal for Prairie/West Sports Fields and Playground

One football goalpost will be removed and reinstalled from the existing practice field. Top of crossbar will be level and 10' above final grade. Vertical posts will be set in an 18" diameter concrete base. Post will be plumb. Loose paint will be sanded from the post and the post then primed and repainted yellow or white.

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Optional Grow-in Maintenance Proposal for Prairie/West Sports Fields and Playground

Turf Solutions will provide grow in maintenance for the first growing season including:

1 lb. actual nitrogen (pure 28% liquid nitrogen) per week per 1000 sq/ft to be injected during irrigation into the system beginning 14 days after sprigging for up to 8 weeks, or until August 20, whichever occurs first.

One application of Drive XLR8 and MSO for post-emerge crabgrass control if needed.

One application of Strike 3 for broadleaf weed control, if needed.

Assistance to Haysville USD 261 in managing the sub-surface drip irrigation system as needed.

One application of granular 0-0-50 potash at a rate of 87# per acre between August 20 and September 30, 2016.

967 Comanche Road
McPherson, Kansas 67460
P: 620.585.0170 F: 620.585.6670
E: customerservice@playongrass.com

Pricing for Prairie/West Sports Field and Playground Options

____ Build one practice field - $352,541
____ Build one practice field and playground area - $385,155
____ Build two practice fields and playground area - $451,522

____ Provide grow-in maintenance - $9,500

Payment terms are 50% down and remaining 50% due upon completion and inspection of each item: grading, wells and pumps, irrigation, fencing, goal post relocation, bermuda grass sprigging, and grow-in maintenance.

Pricing is good as packages only through December 9, 2015. Adding the playground or second practice field at a later date will necessitate rebidding the project.

Place a check next to accepted line item(s) above.

Accepted by: _____ Date: _____

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/29/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER

Galen Shields State Farm Insurance Agency
P O Box 618
1355 N Main St
McPherson, KS 67460

CONTACT NAME: Galen Shields
PHONE (A/C, No, Ext): 620-241-5665 FAX (A/C, No): 620-241-5698
E-MAIL ADDRESS: keri.l.fields.i658@statefarm.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : State Farm Fire and Casualty Company	25143
INSURER B : State Farm Mutual Automobile Insurance Company	25178
INSURER C : Riverport Insurance Co	36684
INSURER D :	
INSURER E :	
INSURER F :	

INSURED

Turf Solutions Inc
967 Comanche Rd
McPherson, KS 67460

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	[X] COMMERCIAL GENERAL LIABILITY			91BMK1550	11/07/2014	11/07/2015	EACH OCCURRENCE	$ 1,000,000
	[ ] CLAIMS-MADE [ ] OCCUR			91BSK0426	11/07/2015	11/07/2016	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	[ ] POLICY [ ] PRO-JECT [ ] LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
	AUTOMOBILE LIABILITY			114 1154-F03-16C	06/02/2016	12/03/2016	COMBINED SINGLE LIMIT (Ea accident)	$
	[ ] ANY AUTO			117 6167-C25-16	09/25/2015	03/25/2016	BODILY INJURY (Per person)	$ 250,000
	[ ] ALL OWNED AUTOS [X] SCHEDULED AUTOS			118 1606-D28-16B	10/28/2015	04/28/2016	BODILY INJURY (Per accident)	$ 500,000
	[ ] HIRED AUTOS [X] NON-OWNED AUTOS			121 9524-B27-16B	08/27/2015	02/27/2016	PROPERTY DAMAGE (Per accident)	$ 250,000
								$
	[ ] UMBRELLA LIAB [ ] OCCUR						EACH OCCURRENCE	$
	[ ] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$
	[ ] DED [ ] RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WC158102818602	04/07/2016	04/17/2016	[ ] PER STATUTE [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [Y] N/A						E.L. EACH ACCIDENT	$ 100,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 100,000
							E.L. DISEASE - POLICY LIMIT	$ 500,000
	Additional Autos							

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Turf Solutions Inc
967 Comanche Rd
McPherson, KS 67460

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Galen Shields & Keri Fields CS/AS

© 1988-2014 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

Fuqua Construction, Inc.
118 South Main, P.O. Box 335
Inman, Kansas 67546
Phone: 620-585-2270
Fax: 620-585-6562

www.fuquabuilds.com

Haysville USD 261
Haysville, Kansas

Turf Solutions Inc.
Brett Wiens

Dear Brett,

As we discussed Fuqua Construction Inc. is willing to contract with the Haysville School System for the work bidding Monday Nov. 9, 2015. Turf Solutions Inc. would become a subcontractor of Fuqua Construction Inc. and perform all the work as described in the project documents. Fuqua Construction Inc. will provide a Performance and Payment Bond for the project.

Thank You,

Max Fuqua

FUQUA CONSTRUCTION INC.
PO Box 335
118 South Main St.
Inman, Kansas 67546